Community & Cultural Affairs

ANNUAL REPORT

1987

88-02682/

PRINCE EDWARD ISLAND

Department of Community & Cultural Affairs

ANNUAL REPORT

For the fiscal year ended March 31, 1987, and for activities to December 31, 1987.

Gilbert R. Clements
Minister

Kenneth F. DesRoches
Deputy Minister

Community & Cultural Affairs

The Honourable Lloyd G. MacPhail
Lieutenant Governor
Province of Prince Edward Island

May It Please Your Honour:

I have the honour to submit herewith the Annual Report of the Department of Community and Cultural Affairs for the fiscal year ended March 31, 1987, and activities for the period January 1 to December 31, 1987.

Your obedient servant,

Gilbert R. Clements
Minister

Community & Cultural Affairs

The Honourable Gilbert R. Clements
Minister
Department of Community and Cultural Affairs
Province of Prince Edward Island

Sir:

It is my pleasure and honour to submit to you the Annual Report of the Department of Community and Cultural Affairs for the year ended December 31,1987.

Respectfully submitted,

Kenneth F. DesRoches

Kenneth F. DesRoches
Deputy Minister

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Deputy Minister's Acknowledgement

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1. DEPARTMENTAL STRUCTURE

A reorganization of the Department of Community and Cultural Affairs occurred late in 1987, resulting in significant changes in its operation.

Under the revised structure, three new divisions have been established: Community Services, Environmental Management and Planning and Coordination.

The new Community Services Division consolidates the functions of Community Planning, Building and Development Services, Provincial and Regional Planning, Municipal Affairs and the Emergency Measures Organization. This change effectively brings together many of the programs and services of the Department that have a community focus.

Similarly, the Environmental Management Division consolidates all of the Department's environmental functions including: Technical Services, Water Resources, Research and Information, Fish and Wildlife, as well as its responsibilities in respect of the Prince Edward Island Conservation Strategy.

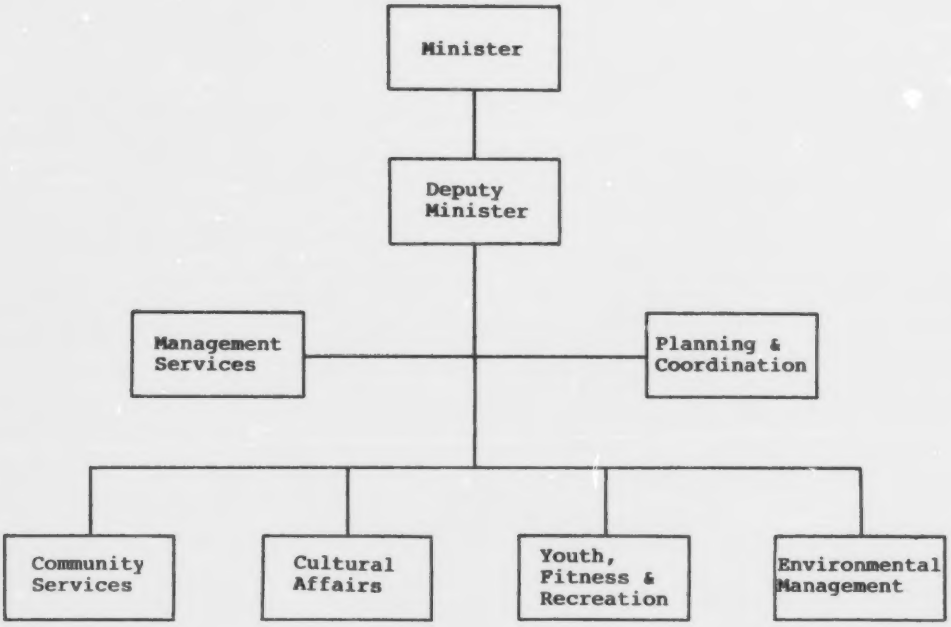
The new Planning and Coordination Division provides a central focus for departmental planning and enhances its ability to evaluate its various policies and programs.

The Division of Cultural Affairs and the Division of Youth, Fitness and Recreation have not been realigned.

The Department believes that these changes will strengthen its ability to fulfill its mandate.

STRUCTURE

DEPARTMENT OF COMMUNITY AND CULTURAL AFFAIRS



2. MANAGEMENT SERVICES

The Management Services Division is responsible for the financial, personnel and computer operations of the Department.

Financial Services include preparation of the annual budget, maintaining budget control and processing /authorizing all payments for goods, services and grants made by the Department.

Personnel services involves all aspects of personnel administration within the Department. This includes participation in the recruitment and selection of employees, maintenance of personnel records, administration of the **Civil Service Act and Regulations**, administration of the collective agreement between the Province of P.E.I. and the P.E.I. Union of Public Sector Employees and the provision of information to staff on personnel issues.

Computer Services entails the coordination of computer systems in the development and implementation of applications to be computerized. A Computer Committee chaired by Management Services with representatives from each Division monitors the development of computer technology within the Department.

FINANCIAL SUMMARY
COMMUNITY & CULTURAL AFFAIRS
REVENUE AND EXPENDITURES
(for the year ended 31 March 1987)

EXPENDITURES		
GENERAL ADMINISTRATION		417,121
PLANNING SERVICES		
Administration	468,688	
Community Planning	26,268	494,956
YOUTH, FITNESS & RECREATION		849,214
MUNICIPAL SUPPORT		5,031,864
CULTURAL AFFAIRS		
Administration & Grants	1,186,811	
P.E.I. Museum & Heritage Fdn.	520,898	1,707,709

BUILDING & DEVELOPMENT		
Administration	1,002,665	
Derelict Cars/Dilapidated Buildings	82,177	1,084,842
ENVIRONMENTAL & TECHNICAL		
Administration	385,592	
Provincial Solid Waste	819,705	
Community Dumps	152,802	
Marine Environment	57,874	
Water Resources	260,023	
Community Services Lab.	120,424	1,796,420
FISH & WILDLIFE		
Administration	492,009	
Fisheries	70,625	
Upland Game	5,695	
Waterfowl and Furbearers	9,242	
Hunter Safety	6,938	
Cooperative Watershed Manage.	39,603	624,112
EMERGENCY MEASURES ORGANIZATION		
Administration	35,592	
Joint Emergency Planning Pgms.	69,022	104,614
TOTAL EXPENDITURES		$12,110,852

REVENUE

ADMINISTRATION		616
BUILDING & DEVELOPMENT		
Inspection Fees	90,452	
Derelict Cars	27,045	
Other	1,106	118,603
ENVIRONMENTAL & TECHNICAL		
Utility Operations	7,604	
Sandmining	2,408	
Provincial Lab. Services	3,984	
Underground Petroleum Storage Tank Program	35,000	
Other	252	49,248
FISH & WILDLIFE		
Fish & Game Licenses	118,944	
Wildlife Habitat Canada	52,100	
Other	4,091	175,135
EMERGENCY MEASURES ORGANIZATION		
Joint Emergency Planning Pgm.		24,028
TOTAL REVENUE		$367,630

3. PLANNING AND COORDINATION

The purpose of the Division is to coordinate the Department's short-term and strategic planning initiatives. A primary goal is the establishment of a planning process that integrates the priorities of the Department with divisional objectives and the allocation of resources through the annual budget. Specific objectives include:

- to coordinate departmental planning;
- to assist the Management Committee in fulfilling its terms of reference;;
- to coordinate the Department's intergovernmental relationships;
- In conjunction with Management Services, to establish a management information system for the Department;
- To co-ordinate departmental submissions to Executive council, Policy Board and Treasury Board including the development of new initiatives, the strategic overview, the legislative program and the budget support package;
- to undertake, as directed, the evaluation of departmental policies and programs.

4. CULTURAL AFFAIRS

This Division is responsible for the promotion and support of the many aspects of Island culture, including heritage and museums, the arts, cultural industries, multiculturalism, and community schools. Support is provided through policy and program development, financial and professional assistance.

Cultural Policy Development

In 1987 the Division initiated a major review of cultural policy.

A major part of this review involved the staging of **Arts Forum '87** in June, organized and sponsored jointly by the Department and the P.E.I. Council of the Arts, which brought together artists, educators, administrators and journalists to discuss the development of provincial arts and culture policy. About 140 people took part in this two day event.

Arts Forum '87 was followed in October by the Minister's appointment of a Provincial Arts Policy Task Force Committee to examine all aspects of the arts in Prince Edward Island and to recommend ways in which government can assist and support continued arts development. Chaired by Charlottetown writer Larry LeClair, the Committee has consulted broadly with individuals and groups across the Island, and is expected to make its report to government early in 1988.

In the area of heritage a special Heritage and Museums Policy Committee, comprised of various agency representatives, was formed to develop a more integrated provincial policy. The work of this Committee is nearing completion, and it is hoped that this effort will result in clear objectives, clarified mandates, and greater cooperation within the provincial heritage and museums community.

A new **Archaeological Sites Protection Act** was passed during the 1987 Session of the Legislature giving government the authority to designate and protect significant sites, and laying out provisions for the bet-

ter management of the Island's rich, yet largely unexplored archaeological resource. Ms. Anna Sawicki of the University of Prince Edward Island chairs the Archaeology Advisory Board established under the statute.

Another major initiative of 1987 was the development of a **Provincial Multicultural Policy**. A joint project of the Department and the P.E.I. Multicultural Council, this landmark policy recognizes the cultural diversity of Prince Edward Island and affirms the basic worth and continuing contribution of all Islanders regardless of race, religion, ethnicity, linguistic origin or length of residency. As 1987 drew to a close government was considering the adoption of this policy.

With the emergency of new policies and strategies in specific areas of activity, the Department in 1988 will turn its attention to the development of a more general policy statement on Island culture, and to the further defining of relationships between government and the cultural agencies.

ERDA Planning

The Department of Community and Cultural Affairs, together with the newly-created Atlantic Opportunities Agency and the Federal Department of Communications, sponsored a major study in 1987 to better determine the economic impact of cultural activities in the province, and to identify future development opportunities.

Following an assessment of study recommendations and the determination of priorities, the Province hopes to conclude a cultural sub-agreement with the Federal Government. Such a federal-provincial agreement will strengthen Island cultural enterprise and assist the growth of cultural tourism.

Ministers Conference

In September, 1987, Prince Edward Island hosted the annual Federal-Provincial-Territorial Conference of Ministers responsible for Culture and Historical Resources. The conference theme was "Culture and

Heritage in Small Communities". Ministers and their officials held meetings at Charlottetown's CP Prince Edward Hotel and Convention Centre, and were treated to a cultural program which included Theatre Prince Edward Island's production of "Belfast People" and a gala presentation of Island entertainment on the main stage of Confederation Centre. The conference provided a unique opportunity to focus national attention on the cultural life of Canada's smaller communities, and gave Island performers a chance to showcase their talents.

Operating Support to Agencies/Organizations

Grant support to provincial cultural agencies and organizations totalled $813,000 in 1987.

The **Prince Edward Island Museum and Heritage Foundation** is the provincial agency responsible for museums and historical resources development, including the administration of four branch museums and a variety of other public programs and services (i.e. exhibitions, genealogy, publishing, architectural conservation). The Board of Governors of the Museum completed an institutional review begun in 1986, and will present a detailed development plan to government sometime in 1988. Visitation statistics at branch museums increased slightly in 1987.

The Department continued to support smaller community museums in 1987 by core-funding the operations of the **Community Museums Association**, a provincial organization dedicated to staff training and the general improvement of local museums.

The **Prince Edward Island Council of the Arts**, the provincial arts granting agency funded by the Department, awarded grants to individuals and groups in 1987, totalling $65,000. In September, the Council sponsored a successful multi-media Arts Festival. Throughout the year, it carried out research in the important area of Arts Education, and worked effectively on behalf of Island Artists.

The Department also provided limited assistance to six **Regional Arts Councils** across the province involved in promoting the arts at the local level.

Theatre Prince Edward Island, a provincial theatre agency core-funded by the Department and the University of Prince Edward Island, experienced another successful year. Highlights included the first out-of-province touring, a cross-Island school tour of the "Chappell Diary" which played to more than 3,000 students, and the commencement of a membership and fundraising campaign.

Finally, the **P.E.I. Association of Community Schools** again received grant assistance from the Department in 1987. This community-focused volunteer program offers a wide range of informally presented courses to Islanders during the winter months. Departmental assistance enables the Association to employ a coordinator and to sponsor preparatory workshops.

Fathers of Confederation Buildings Trust

The Fathers of Confederation Buildings Trust (Confederation Centre of the Arts), is Canada's only national memorial to the Fathers of Confederation. It is an arts centre with local, regional, and national stature. Moreover, the annual Charlottetown Festival is Prince Edward Island's single most important tourist attraction. In 1987 the Department provided operating and capital grant assistance to the Centre totalling $835,000.

Cultural Industries Support

The Department of Community and Cultural Affairs and the Department of Industry share a mandate to assist the development of local cultural enterprise. In 1987, eleven Island cultural businesses received grant assistance under the Division's popular "Cultural Product Development Fund". Projects included a debut audio recording by Island folksinger Lenny Gallant, a published social history of Charlottetown, and an educational film on the natural history of Prince Edward Island.

A number of special projects were also assisted, including the organization of the 1987 Atlantic Film and Video Producers Conference which took place in Charlottetown.

5. YOUTH, FITNESS AND RECREATION

A principal objective of the Division is to encourage all Islanders to adopt healthy lifestyles through the wise and productive use of their leisure time. Such encouragement is provided through financial assistance, consultative services, coordinating mechanisms and direct programming to approximately 150 youth, fitness, sport and recreation agencies and organizations at the community, regional and provincial levels.

Recreation

The introduction of the Community Recreation Support Program in April, 1987, was a real milestone in the history of the Division as it provided a comprehensive approach to government funding for community recreation. Through this program, 20 artificial ice arenas and 2 natural ice arenas received financial assistance and 14 communities received assistance in support of full-time recreation directors.

Under the Recreation Improvement Fund portion of the program, 21 communities upgraded their recreation facilities. This marked the first time that the Division was able to provide direct assistance for upgrading local facilities.

The Community Recreation Project Support section of the program provided financial assistance to 17 communities in support of their recreation programs.

In addition to direct financial assistance the Division continued to provide consultative and secretarial support services to community and recreation groups through its regional staff.

Through the year the Division worked with the P.E.I. Recreation Association in the staging of workshops at both the provincial and regional levels. As well the Division cooperated with the P.E.I. Recreation Association in the hosting of the annual meeting of the Recreation Society of Atlantic Canada at the Mill River Resort in May.

The Division worked quite closely with the provincial Facilities Managers Association in a number of activities, including the hosting of the annual meeting of the Inter-provincial Sport and Recreation Council Subcommittee on Facilities. A number of in-service workshops were jointly sponsored at both the provincial and regional levels. These were designed to improve the administrative and technical capabilities of both boards of directors and managers of community recreation facilities.

A particular highlight of the year was the hosting of a Senior Citizens Day by the regional staff for Queens and Kings counties. This was held at the Brudenell Resort with approximately 250 seniors in attendance.

Youth

In 1987, Allied Youth continued to be active at the local, regional, provincial and international levels. Currently, there are 13 senior, 20 junior and 3 combined Allied Youth Posts in schools and communities across the Province. The total membership in the program is in the vicinity of 1000 young people between the ages of 12 and 18.

Provincial conferences were held in May at the University of Prince Edward Island with 200 attending the Junior Conference and 100 in attendance at the Senior Conference. During the conference, Stephanie Costain of O'Leary was elected Provincial President and Chris Kelly of Kensington was elected as the International Representative and Douglas Saunders, a member of the Alberton Senior Post was named International Exchange delegate. Barb Ramsay was presented with the most outstanding AY'er award, while Doug MacDougall was honoured with the David M. Boswell Award for the most outstanding A.Y. Advisor. The Provincial Award for outstanding service to the A.Y. Program was awarded to Barb Ramsay of Northam and the Lillian Livingstone Award for Best Senior Post was presented to Ellerslie as was the Alumni Best Scrapbook Award. The Alan Andrews Award for the region showing the most growth went to Region #1 and the Karen Corcoran Award for the most improved post was presented to the Souris Senior Post.

The 1987 International A.Y. Conference was held at the Battery Hotel in St. John's, Newfoundland in November, with sixty-five Island delegates in attendance. Among the highlights was the selection of the Ellerslie Senior A.Y. Post as the most outstanding A.Y. International Post and Douglas MacDougall, as recipient of Merritt Smith Memorial Award as the most outstanding A.Y. Advisor-Supervisor. Chris Kelly of Kensington was elected International A.Y. Vice-President.

During the year 300 Grade 11 and 12 students were trained under the Peer Education Program. They, in turn, provided instruction in drug and alcohol education to approximately 3100 students in Grades 7 and 8.

A pilot project was carried out in School Units 3 and 4 in which the two topics -- drug education and alcohol education were combined in the teaching situations.

In 1987, the Division continued to related closely to other youth agencies and organizations including Red Cross, Y.M.C.A., Student Councils, Boys and Girls Clubs, Boy Scouts, and Girl Guides.

Particular emphasis was placed on providing assistance to the Provincial Council of the Duke of Edinburgh Program, and a highlight of the year was the presentation of the Gold Award by His Royal Highness Prince Edward to 8 recipients in June. An additional 21 young people were presented silver and bronze awards by His Honour Lieutenant Governor Lloyd MacPhail during a ceremony at Government House in November.

Fitness

Throughout the past year the Division continued to promote and support fitness activities.

In cooperation with the Provincial Fitness Leaders Committee Level I workshops were conducted by Mr. Paul Steele, the Provincial Master Trainer for fitness leaders with 75 participants attending the two workshops. Mr. Terry Moore fulfilled the necessary requirements to qualify as a Certified Fitness Appraiser and offered a workshop on fitness appraisal.

In 1987, the Division coordinated the federal-provincial Corporate Challenge Program, with activities carried out in Alberton, O'Leary and Tignish. As well, the Division once again coordinated National "Fitweek" activities in the Province. It is estimated that 10,000 Islanders participated in these activities.

Recreation and Sport for the Disabled

A provincial workshop for recreation professionals was held in cooperation with the P.E.I. Recreation and Sports Association for the Disabled. The workshop addressed the question of how to best serve the disabled in our communities. Mr. Carl Nightingale of Stellarton, Nova Scotia; Ms.Joan McDonald, a specialist in mental retardation from Holland College and Mr. Frank MacIntyre, Recreation and Sport Consultant with the P.E.I. Recreation and Sports Association for the Disabled served as resource people.

The Division also cooperated with P.E.I.R.S.A.D. in the hosting of a three year planning session for the Atlantic Disabled Sports Alliance and provided support to an Island delegation to the National Disabled Games held in Brantford, Ontario.

Amateur Sport

One hundred and fifty-six athletes, team officials and mission staff comprised the provincial contingent to the 1987 Canada Winter Games held in Sydney, Cape Breton. Brian McFeely of St. Eleanors, was the Chef-de-Mission for P.E.I.

The highlight of the two weeks of competition was a silver medal in the under 12 female category in Table Tennis won by Shehla Chishti of West Royalty.

In the past year, planning commenced for provincial participation in the 1989 Canada Summer Games to be held in Saskatoon, Saskatchewan with Mr. Cletus Dunn of Brooklyn appointed as Chef-de-Mission.

The planning and preparation for the hosting of the 1991 Canada Winter Games continued under the leadership

of its President, Mr. Orin Carver. A board of directors was appointed, as well as a board of management. Vice-Presidents for the various areas of responsibility were also appointed.

The list of sports for the 1991 Canada Games Program was finalized by the Canada Games Council. A "Best Ever" Program to prepare Island athletes and officials for the Games is now being developed for implementation in 1988.

Dr. David Boswell, Executive Director of the Division, was appointed to represent P.E.I. on the Canada Games Council.

An outstanding athletic achievement during 1987 was the winning of the Canadian Mixed Curling Championship by the Peter Gallant rink of Charlottetown. The hosting of the North American Championships by the P.E.I. Table Tennis Association in May was another highlight of the year's activities.

Leadership

The development of leadership skills in the various program areas of the Division was a priority during 1987.

Thirty persons representing all regions of the Province were trained to deliver the two modules of the Skills Program for Management Volunteers.

A number of courses were also held for volunteers in leadership positions in recreation, sport and culture organizations. An awareness campaign was also carried out to raise the profile of the Skills Program and to increase its utilization.

Courses under the National Coaching Certification Program continued to be offered throughout the Province. To the end of 1987 over twelve hundred coaches in P.E.I. have taken courses under this Program. A highlight was the offering of a level three theory course for the first time in this Province.

In cooperation with the Provincial Coaching Committee and the Coaching Association of Canada, the Division presented a coaching symposium in September. Approximately 75 persons from throughout the Province attended this session.

6. COMMUNITY SERVICES

The Community Services Division is primarily responsible for providing professional and technical services to all areas of the Province with respect to land use planning, building and development standards, municipal administration and emergency measures.

The Division consists of the following sections: Community Planning, Regional and Provincial Planning, Building and Development, Municipal Affairs, and the Emergency Measures Organization

Community Planning Section

The major functions of Community Planning in 1987 included the review and preparation of provincial statutes, regulations, and policies for planning; provision of technical and professional planning assistance to municipalities; and the provision of planning assistance to community organizations and government field staff.

During 1987, the Community Planning Section was employed in a variety of provincial land use policy planning, municipal planning, regional planning, and development project planning activities. Approximately 150 individual tasks of varying length and complexity were carried out. These were generated by municipal councils, planning boards, and government field staff, as well as locally organized groups. A significant part of the work consisted of planning for local improvements to the living environment and economic development of the community. Highlights included:

Revision of Lower Montague Bylaws
Review of Brudenell Plan and Bylaws
Review of Winsloe and East Royalty Plans
Preparation of draft Union Road and Brackley Plans
Review of Alexandra Plan
Preparation of Sherwood suburban residential design plan and recreation facilities plan
Preparation of draft South Winsloe Plan
Preparation of Souris Marina design concept
Preparation of Cornwall pedestrian walkway plans

Preparation of draft building code for Bunbury-Southport Joint Planning Board
Preparation of Tignish Plan
Preparation of Wellington Plan and Bylaw
Review of Wilmot Plan

Provisions for most of the activities of the Community Planning Section are set out in the **Municipalities Act** and the **Planning Act.**

Much of the staff assistance to municipalities consisted of work on official plans, bylaws, and plan administration. Both technical and professional services were provided on request, so that planning boards were able to carry out the tasks assigned to them by their councils. The following table summarizes the current planning status of municipalities which are pursuing planning programs.

MUNICIPALITY	STATUS
Charlottetown	Master Plan and Bylaws
Summerside	Development Bylaws
Greater Charlottetown Environmental District	Official Plan and Regulations (review)
Alberton	Official Plan and Bylaws
Alexandra	Official Plan and Bylaws (review)
Brackley	Official Plan (in progress)
Brudenell	Official Plan and Bylaws (review)
Bunbury	Official Plan and Bylaws
Cornwall	Official Plan and Bylaws
Cross Roads	Official Plan and Bylaws
East Royalty	Official Plan and Bylaws (review)
Eastern Kings	Official Plan and Bylaws
Georgetown	Plan and Development Bylaws (review)
Kensington	Development Bylaws
Keppoch-Kinlock	Official Plan and Bylaws

Kinkora	Official Plan and Bylaws
Linkletter	Official Plan and Regulations
Lower Montague	Official Plan and Regulations (review)
Miltonvale Park	Official Plan and Bylaws (review)
Montague	Development Bylaws
New Haven-Riverdale	Official Plan and Bylaws
North River	Official Plan and Bylaws (review)
North Shore	Official Plan (in progress)
O'Leary	Official Plan (in progress)
Parkdale	Official Plan and Bylaws (review)
St. Eleanors	Official Plan and Bylaws
Sherbrooke	Official Plan (in progress)
Sherwood	Official Plan and Bylaws
Souris	Development Bylaws
Souris West	Official Plan (in progress)
South Winsloe	Official Plan (in progress)
Southport	Official Plan and Bylaws
Tignish	Official Plan and Bylaws (review)
Union Road	Official Plan (in progress)
Warren Grove	Official Plan and Bylaws
Wellington	Official Plan (in progress)
West Royalty	Official Plan and Bylaws (review)
Wilmot	Official Plan and Bylaws (review)
Winsloe	Official Plan and Bylaws (review)

Several provincial planning projects were carried out. The first of these was a continuation of a review of the **Planning Act**. A report was submitted on the area workshops held in 1986 to receive public input, and

subsequent reports were prepared for the Planning Act Review Committee established during 1987.

The Province's special planning area designations under the **Planning Act** were reviewed. As a result, the designations of Mill River and Eastern Kings were repealed because the original objectives of the designations had been achieved. The Cavendish special planning area was established, and a planning board was appointed to prepare an official plan for the area. Completion of the Cavendish area official plan is expected by 1989.

On invitation from Stanley Bridge residents, information meetings on municipal incorporation were held in the area. A petition requesting incorporation was then received from residents, and a meeting was held in accordance with the **Municipalities Act**. Residents present at the meeting voted to form the Community of Stanley Bridge.

Regional and Provincial Planning

The emphasis of the Provincial Planning Section during the year was threefold. First was the continuation of the service provided to municipalities through the regional planning boards in the Province, second was participation in the **Planning Act** review process and third was the carrying out of projects within the Department

In connection with the first objective, the Section, with assistance from others in the Department and other provincial and federal departments continued to provide professional and technical support to the Charlottetown and Summerside Regional Planning Boards. Activities directly related to the Department include the evaluation of all applications for development within the Greater Charlottetown Environmental District (GCED), of which there were 5 in 1987. These applications ranged from single family dwellings to large-scale subdivisions. In addition, implementation of the GCED plan component related to erosion control and fish and wildlife habitat improvement continued under a federal grant of $66,000. During the year a review of the GCED

Plan was commenced with technical assistance from several provincial and federal departments and agencies.

Within the Charlottetown area assistance was also provided in the continuing implementation of the Charlottetown Area Regional Transportation Plan by the Department of Transportation and Public Works. During 1987 work on the Charlottetown perimeter highway continued. As well, the City of Charlottetown Development Plan and Strategy was completed and adopted by Council following public consultation. Work was commenced on reviewing the development regulations for the City and ongoing assistance to the City's Planning Board continued.

Within the Summerside area, discussions continued on the feasibility of servicing the "north slope" in Sherbrooke. In addition, discussions on the water supply for the region were initiated in cooperation with the municipalities affected and the Environmental Management Division.

Several projects were undertaken on behalf of the Charlottetown and Summerside regions in cooperation with CADC and SWDC, including the Summerside area tourism/recreation project and the re-use of the East Royalty Landfill Site.

During the year the interim report of the Planning Act Review Committee was completed and a new draft Act produced for discussion purposes. Participation in the review and examination of options for the implementation of a new Act was undertaken along with input into the departmental reorganization. In addition, the Section prepared a survey to update the retail space figures in the MacNeill Commission on Shopping Centres and Retail Stores. In is anticipated that this survey will be completed early in 1988.

Municipal Affairs

Throughout 1987, the Municipal Affairs Section continued to provide support and advice to the Province's City, towns and communities.
The highlight of the year were the very successful

municipal elections held in November. For the first time all elections were staged simultaneously on the same day which generated a great deal of public and media attention. Several communities took advantage of the amendment to the **Municipalities Act** which enabled them to conduct day-long election polls. The response to this new format was outstanding when compared to the traditional special meeting. Elections in these communities were lively with voter turnouts up dramatically. It is hoped that more communities will use this new format in 1990.

The 1987 elections were proceeded by "Local Government Week". This first-time initiative was a co-effort of the Department and the Federation of P.E.I. Municipalities. The purpose of the promotion was to publicize the important role of municipal government in the Province and to generate public interest in the elections. The project was well received and plans are underway to make it an annual campaign.

Another highlight of the year was the allocation of over $900,000 under the Environmental Servicing Assistance Program.

Municipality	**Project**	**Approved**
North River	Sewer extension	$250,000
Bunbury/Southport	Sewer extension	133,320
Montague	Sewer extension	17,023
Victoria	Water system	143,319
West Royalty	Sewer extension	99,990
East Royalty	Sewer system	166,650
Tyne Valley	Sewer extension	40,662
Kensington	Sewer extension	49,950
Cross Roads	study	1,250
		$902,164

The Section continues to work with the Prince Edward Island Firefighters Association in an effort to strengthen its training programs. With assistance from the Maritime Municipal Training and Development Board a program addressing the management and administration of fire brigades has been developed. It is expected that this program will be offered for the first time in 1988.

The Section continues to work closely with the Federation of P.E.I. Municipalities and its new Executive Director, Mrs. Donna Waddell. During the year a Communications committee was established to ensure continuous dialogue between the Department and the Federation on items of mutual concern.

In the fall of 1987, the Association of P.E.I. Municipal Administrators was formed with Mr. Richard Montigny of Cornwall elected as its first President. The objective of this new organization is to promote professionalism in municipal administration and to represent the interests of its members. The Section looks forward to working with the Association in 1988.

Building and Development Services

The five areas which comprise Building and Development continue to provide technical, advisory and inspection services on a regional basis. To ensure continuity in the administration of its programs, staff meetings and training sessions have been held to maintain and improve our service to the consumer, the building industry and other agencies of government.

As in previous years, the Fire Marshal's office continued to play a major role in the activities of the Division. During the year, loss of property measured in dollars has decreased considerably irrespective of the losses incurred in the City of Charlottetown due to suspected arson. The number of fire prevention inspections have increased over previous years due to an ever expanding demand for the service by other government departments and agencies.

Due to improvements in the market place, building and development activities increased significantly in 1987 which, in turn, created demand for the technical and advisory services provided by our Property Development personnel. The Section continues to provide statistical data on development activity to other government agencies and the general public through weekly newspaper advertisements indicating the number of building permits issued for commercial construction. This affords those aggrieved by the issuance of a permit the opportunity to appeal to the Land Use Commission.

As of April 1 of this year, the administration of the **Highway Advertisements Act and Regulations** together with the activities and staff of the Electrical and Elevator Section were transferred to the Departments of Tourism & Parks, and Labour respectively.

During the coming year it is anticipated that a comprehensive review of inspection activities will be carried out in an effort to establish a combined inspection program. This may involve the introduction of a training program to develop staff capable of carrying out a number of trade inspections.

Subdivision Development Office

In 1987, the office received and filed a total of 511 subdivisions. Final approval was granted to 131 of these subdivisions containing 276 lots; 233 others were filed for record purposes, and represented either first single family dwelling or mobile home lots from previously unsubdivided properties, or subdivisions in communities that process their own approvals directly. The Department denied 1 application, and 146 others were either approved in principle or remain pending a variety of reasons.

The following is a breakdown, according to use, of the number of lots created by the 131 approvals:

Single family dwelling (including mobile homes used as single family dwellings	147
Summer cottages	110
Commercial	9
Miscellaneous	10
TOTAL	276

This year the number of applications filed has increased 19% compared with 1986. As a result, the number of site inspections, consultations with other departments and agencies, and preparation of design concepts for individual applicants has also increased. It should also be noted that among the applications still pending are several large scale proposals for which approval in principle has either already been

given, or is likely to be finalized in the near future. This will ultimately make the number of approved lots resulting from 1987 applications larger than the foregoing totals.

In 1987, community councils continued to make use of the office's technical advice and assistance in order to enforce their own official plans and subdivision control and zoning bylaws. This function of the Section will probably be extended further in 1988 as more communities avail themselves of this service.

Property Development Office

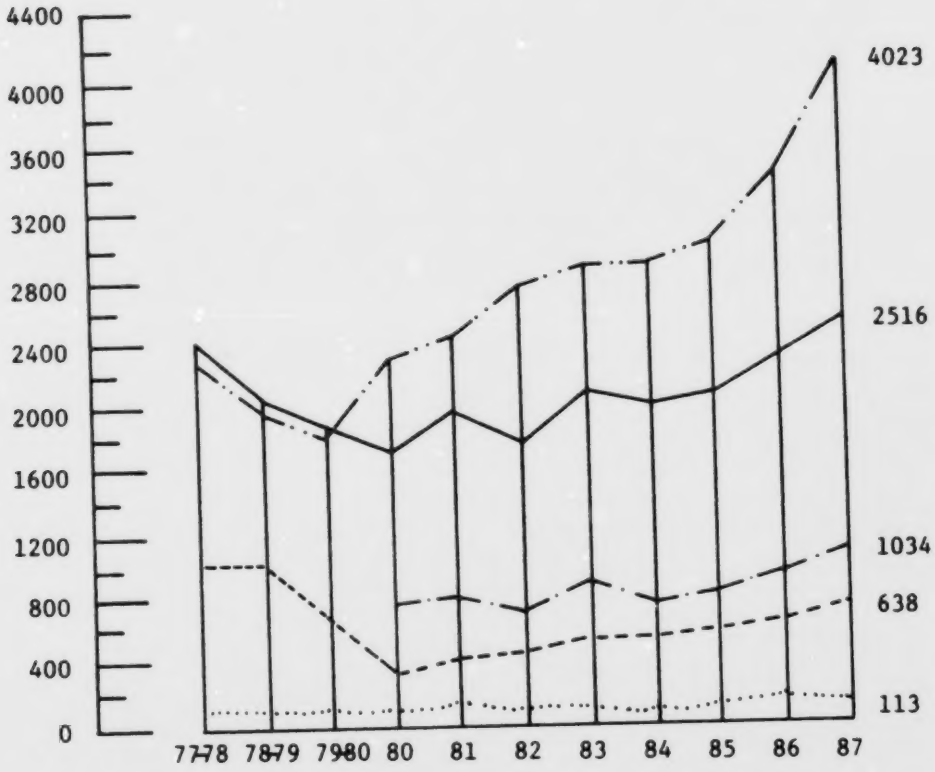
This office administers the **Planning Act Regulations** as they apply to building and the development of individual parcels of land. Inherent to the provisions of these regulations is the responsibility for involving other regulatory authorities, as may be required, in the development process. In addition, the Property Development Officers provide administrative support and inspection services to some communities which have adopted official plans and development bylaw.

The office is also responsible for administration of the **Environmental Protection Act** Sewage Disposal Regulations. This service extends to assisting property owners to resolve problems with malfunctioning sewage disposal systems.

During the year, a revised set of Sewage Disposal Regulations was passed to become effective on January 1, 1988. For the most part, these Regulations were revised to include existing policy requirements and to introduce some new requirements aimed at protecting the Province's fresh water supplies and protecting the public from the need for premature absorption field replacements.

In each of the past three years, the section's workload has progressively reached a new all-time high. In 1987, staff processed 1482 building permits, 1034 sewage disposal system permits and carried out approximately 4023 inspections. In addition, staff represented the Department at five hearings before the Land Use Commission.

PROPERTY DEVELOPMENT OFFICE
Permits & Inspections



——————— Total permits issued (includes sewage system permits as of 1980)

—— -- —— Total inspections (includes sewage system inspections as of 1980)

—— - —— Sewage system permits

---------- Building permits for dwelling units (includes mobile homes)

..... Building permits for summer cottages

Plumbing Office

The workload of the plumbing inspection team continued to increase this year with staff carrying out over 3,300 inspections. During the year, fees increased from two to six dollars per fixture.

	1986	1987
Permits Issued	916	1,041
Fees Collected	$14,500	$47,459

Fire Marshal's Office

During the past year, 65 volunteer firefighters attended the Level II Fire Fighting Training Program at the Training School in West Royalty. Several one-day specialized training sessions were also held in a variety of locations. It is anticipated that during the coming year a site will be selected for a new major training centre. The proposed training centre together with the increased Provincial financial assistance has boosted the espirit de corps of the volunteer fire brigades.

In addition, to further improving the efficiency of the Fire Marshal's Office, a number of fire prevention programs will be computerized in 1988.

	1986	1987
Total number of building inspections	1760	1700
Total number of fire investigations	82	100
Building plans reviewed	128	160
Number of fires of incendiary nature (excluding vehicles)	38	40
Total number of deaths	10	4
Total number of fires recorded	590	600
Total number of motor vehicle fires	53	50
Total number of fires over $100,000	3	4
Total property loss	$5,000,000	$4,000,000
Total insurance loss	$4,000,000	$3,000,000

Derelict Cars & Unsightly Premises Office

In 1987, approximately 1851 vehicles were hauled to the 17 provincial storage sites by 3 haulers. Approximately 2345 tons of crushed vehicles were shipped from provincial sites and 2248 tons were shipped from private yards.

Eleven buildings were demolished, while another 83 buildings were removed by burning under the Unsightly Premises Program.

	1986	1987
Number of provincial haulers	3	3
Number of provincial storage sites	17	17
Number of private automobile junkyard permits issued	44	43
Cars hauled to provincial storage sites	2285	1909
Crushed cars shipped from province (measured in tons):		
Provincial sites	2080	2345
Private yards	1275	2248

Emergency Measures Organization

The Emergency Measures Organization has responsibility for coordinating the government's response to peace and wartime disasters. It also investigates and reports all land based spills of hazardous substances.

In order to fulfill its mandate to ensure a high state of emergency preparedness, E.M.O. devotes a substantial percentage of its time to the preparation of emergency plans as well as to training. Exercises to test emergency response personnel and to ensure that emergency plans are valid and appropriate are held throughout the year.

The increase in E.M.O. staff in 1987 permitted a substantial increase in training activities. During the year the following courses were held:

Transportation of Dangerous Goods	**(3 courses)**	**67 trainees**
Casualty Simulation Course	**(1 course)**	**15 trainees**
Casualty Simulation Update	**(1 course)**	**12 trainees**
Radiological Defence Monitors	**(1 course)**	**70 trainees**
First Aid	**(1 course)**	**20 trainees**

Fifty-nine (59) individuals received formal training on nine courses at the Emergency Preparedness Canada, Federal Study Centre at Arnprior, Ontario during the year. E.M.O. is responsible for coordinating the selection of candidates for these courses.

Five (5) exercises involving a total of 1397 Emergency Response personnel were also conducted.

Despite public warnings the number of spills of hazardous substances increased dramatically in 1987. A total of 94 spills were reported amounting to over 45,000 litres. The primary substance involved was heating fuel.

7. ENVIRONMENTAL MANAGEMENT

Environmental Management brings together all of the Department's programs and activities relating to the protection of the Province's environment including: Environmental and Technical Services, Water Resources, Fish and Wildlife, and Research and Information. A further responsibility is the coordination and implementation of the P.E.I. Conservation Strategy.

The following report highlights the activities of Environmental Management for the past year through its various divisions.

ENVIRONMENTAL & TECHNICAL SERVICES DIVISION

The Division provides both management and technical services to the public and private sector in executing the environmental programs of the Department.

The division consists of three sections, representing four areas of responsibility: Environmental Operations, Marine Environment and Water Resources.

Environmental Operations Section

Environmental Operations has five main areas of responsibility: Solid Waste Management, Air Quality, Hazardous Waste Management, Wastewater Treatment, and Water Supplies.

The Section provides a related technical advisory service to other government agencies, the public and to the private sector. Staff provide routine maintenance and operation of all government owned and/or controlled sites related to the disposal of solid waste. The Section advises on wastewater treatment and water supplies for municipalities, industries, institutions, commercial and individual domestic systems. Staff also provide evaluations of waste management methods, treatment and final disposal.

The Section is directly responsible for the operation of three regional refuse disposal sites in St.

Eleanors, Sleepy Hollow and Cardigan, and six rural refuse container sites in Queens County. Another thirty-nine (39) community refuse disposal sites are scattered across the Island serving areas of the province not served by the landfills or the Energy From Waste Plant.

Twenty-seven (27) of the sites are managed by community councils or community dump committees with funding and technical assistance being provided by the Department.

Staff continues to provide necessary management at the other twelve (12) sites although preliminary work has begun to convert these to committee management. A unique agreement was signed at Souris between the Department, Town and a private contractor to provide management at the Souris & Area disposal site.

Approximately 40 complaints involving the use of private dumps for general garbage, manure storage, air contaminant problems and similar environmental problems were investigated. A total of 101 permits were issued to individuals under the Disposal Permit System for special waste treatment and/or disposal at the three regional landfills.

Air quality monitoring continues under two federal-provincial joint programs -- the National Air Pollution Surveillance program (N.A.P.S.) and the Long Range Transport of Air Pollutants Program (L.R.T.A.P.), which is chiefly concerned with "acid rain".

The Charlottetown N.A.P.S. station samples sulphur dioxide and particulate matter in the ambient air and provides this information to Environment Canada's Nation Wide Air Quality Monitoring Program. Precipitation (rain) samples are also collected for Environment Canada's program to monitor the long term effect of acid rain.

Evaluation of the impact of smoke and dust, etc., emissions from existing and proposed facilities such as asphalt plants and industries is routinely carried out and complaints/reports of problem emissions, malodors and noise are responded to.

Ten (10) investigations were completed for temporary asphalt plant locations this year. On the whole, the plants' operations were improved with very few complaints received.

The Section's other major function is to provide a service for the management of "hazardous wastes" - those chemical and other hazardous materials, generated by business, industry and in the home, which because of their toxicity or other dangerous properties, are a hazard to human or natural environment.

The Section cooperated with other government agencies and with industry to develop services to improve waste management. The Province continues to improve on its information/reference base on storage, handling and disposal methods, and uses the expertise existing in other provinces and Environment Canada.

This year there has been an average of two calls per day requesting information or assistance for disposal of dangerous materials. About half the calls require a search for information on pre-disposal treatment of wastes.

Utility Section

Technical assistance is provided to municipalities, industries, commercial establishments and other agencies of government with respect to the development, operation and maintenance of water supply and treatment systems. Technical assistance was also provided to Building & Development Services for on-site sewage disposal and subdivision approval. In 1987 approximately 150 sites were inspected for existing problems and advice on their solution or for approval of on-site sewer and water services. In addition, inspections were made for a number of manure storage facilities.

This Section is also responsible for the operation and maintenance of provincially-owned water supplies and some waste treatment facilities. These include industrial water systems at Montague, Georgetown, North Rustico, Alberton South, Egmont Bay, Beach Point and Souris. The industrial water systems at North Rustico

and Georgetown service a number of non-industrial users as well. In Georgetown there is a total of 62 and in North Rustico a total of 95 non-industrial users.

A new industrial water user came on line at Georgetown in December of this year when Sea Spring Farms, a large aquaculture operation started using water from the system in their operation. When in full operation they will require up to 1000 imperial gallons per minute. To accommodate this demand, the Section has tested the water systems and is in the process of upgrading it to the status required.

Staff responded to a number of requests for assistance concerning problems with domestic sewage disposal systems resulting in recommendations being made to repair, upgrade or replace systems. Improper installation and poor maintenance continue to be the main factors in the malfunction of these systems. However, it now appears that many system may be reaching the end of their effective life expectancy.

In 1987, 18 septic tank pump truck operators were issued permits for septic tank pumping and sewage sludge disposal. Staff inspected sewage disposal areas and investigated complaints of improper waste disposal. The regular disposal of waste sludge from the Charlottetown Pollution Control Plant was monitored again this year.

A weekly sampling program was continued in 1987 to monitor the performance of six municipal and one industrial wastewater treatment plants. Seven package treatment plants servicing a school, provincial parks, a mobile home trailer park and a ferry terminal were also monitored. Inspections of the waste stabilization ponds were conducted and a seasonal sampling program continued on 14 of these.

In an attempt to have the communities better informed on proper operation and maintenance of their wastewater treatment lagoons an information meeting was held on March 25 and a one-day workshop was conducted on May 9. Turnout was quite good and the response favourable.

A number of plans for extension to existing water systems and/or wastewater treatment systems as well as for new systems were submitted to the Department for review and approval.

During May of 1987, a water and sewer survey was conducted in the Community of Victoria to establish the existing levels of on-site services. The survey was carried out in response to the congestion of on-site sewer and water services and some contamination problems experienced over the years. the result of that survey was a recommendation that the Community should be serviced by a central water supply system to assure residents of good potable water. As a result, the Community with the aid of a grant from the Environmental Servicing Assistance Program, proceeded in September of 1987 to install a water system.

Water Resources Section

Groundwater Management and Protection

The protection and management of groundwater and surface water resources in the Province is a major objective of this Division's activity. Groundwater protection is a vital activity and many of the programs and services of this section are designed to evaluate, develop and protect this important natural resource.

A three year, one million dollar federal-provincial agreement on Water Management for Economic Development was signed by the Minister of Community and Cultural Affairs and the federal Minister of Environment. This agreement, the first of its kind in Canada, includes programs in groundwater, surface water, estuaries and a multi-sectoral program. The fifteen projects being carried out are described in more detail within the reports of each division of Environmental Management. Groundwater Program projects being initiated include:

1) Surveys of groundwater wells to determine possible concentrations of pesticides. Fifty samples were collected for each of four pesticides in late 1987. Results have not yet been received.

2) A well construction pilot project, demonstrating to well drillers and homeowners new techniques of well construction and water quality protection.

3) A groundwater resource evaluation in approximately twelve Island communities to assess risks to groundwater quality and identify potential sources of good quality and quantity groundwater supply.

4) A computerized water resource information storage and retrieval system.

The Winter River Basin Study continued in 1987 with emphasis on data compilation and report preparation. The study, a cooperative effort between Water Resources Division, Environment Canada and Charlottetown Water Commission, has evaluated groundwater resource availability and protection in the Basin with a view to addressing future water supply needs for the Charlottetown area. Completion of the project has been delayed until 1988 due to a shortage of Division staff time.

Groundwater monitoring for pesticides continued to be a priority. Sampling of wells for the pesticide aldicarb (Temik) was continued with 52 samples collected and analyzed. The decrease in the number of samples is attributed to the introduction of a user permit system for aldicarb by the P.E.I. Department of Agriculture. This caused a reduction of approximately 90% in usage of this chemical. All private and municipal wells in the Province tested for aldicarb reported acceptable concentrations (less than 9.0 ppb). Five wells were sampled for the pesticide phorate (Thimet) with one well reporting a detectable concentration.

A cooperative project with the National Water Research Institute of Environment Canada continued on the underground migration patterns of aldicarb. Observation wells were sampled at the 3 exploratory sites and some of the wells were instrumented with specialized sampling equipment. A scientific report was prepared on the results of the previous year's work. This study

will continue in 1988 and will assist in assessing the environmental fate of this pesticide.

Water quality monitoring continued at the provincial landfill sites at Cardigan, East Royalty, St. Eleanors and Miltonvale Park. This included sampling of a number of private wells at some of these sites. No significant changes in water quality were observed. Staff also assisted Environment Canada, Water Quality Branch with the sampling of observation wells at the Charlottetown Airport.

Strong public demand continued for service under the Well Water Quality Program. The use of in-province laboratories increased by 11%. Requests for Water Quality Certification (mortgages) were down slightly from the previous year to 917. The use of out-of-province labs decreased by a factor of 2.5 mainly due to less demand for aldicarb analyses. The staff's workload in terms of problem investigations, interpretation of results and recommendations for corrective measures continued to be heavy.

TABLE 1

Samples Collected

		1987
Bacterial Analyses		3798
Routine Chemical Analyses		1098
Water Quality Certification (mortgage)		917
Agriculture Research Station Chemical Analyses		1210
Public and Private Wells	977	
Landfill Monitoring	137	
Surface Water	96	
Out-of-Province Lab. Analyses		137
Dept. of Health Referrals		15

The major water quality problems were contamination by coliform bacteria (total and faecal), nitrates, chlorides, iron, manganese, and petroleum. Water Resources staff continued to sample public water supplies at provincial parks, schools, subdivisions,

municipalities, senior citizen housing units and other locations. Staff also provide technical assistance to the Department of Health and Social Services when a bateriological problem is experienced at a public establishment. Staff assisted the Department of Health in a major sampling program in the North Shore area.

In 1987, eight well drilling firms were licensed in the province. The number of well reports received increased 40% from the previous year suggesting a high level of drilling activity. The Atlantic Water Well Association held its annual meeting on Prince Edward Island for the first time at Mill River.

Well drilling statistics for the province are summarized below:

TABLE 2

Well Drilling Statistics

Well Drilling Licenses Issued	12
Well Permits (for high capacity wells)	26
Areas Restricted for Well Drilling	6
Field Inspections of Drillers	7
Well Drillers Reports Received	824
Design or Supervision of Pumping Tests	19
Salt Water Wells Developed	8
Abandoned Wells Plugged	35
Abandoned Wells Inspected	74
Abandoned Wells Reported	141

Municipalities, consultants and private industries were given technical assistance for several water supply projects where high capacity wells were being developed. Major projects involved Sea Springs Farms at Georgetown, Victoria Community Well Field and a large aquaculture project at Victoria.

A strong interest continued in salt water well development for lobster holding aquaculture and shellfish culture. Some locations investigated for salt water wells were: Anglo Tignish, Charlottetown, Victoria and Belle River.

Applications for subdivision or industrial development approval are reviewed by Water Resources Division to ensure that acceptable quality and quantity of water supply are available for the development and that the development is not a risk to existing water supplies. This review includes evaluation of existing information, supervision of drilling and field testing as required, and consultation with developers.

Staff of the Division continued work on a two-year Federal-Provincial Underground Petroleum Storage Tank (UPST) Management Project. Major efforts in this program have concentrated on the registration of all UPST's and the inspection of new tank registration of all UPST's and the inspection of new tank installations, tank removals and daily inventory records at retail outlets. Statistics on these activities are listed in Table 3.

TABLE 3

Underground Petroleum Storage Tank Program

New Underground Tank Installations Inspected	54
Underground Tank Removals Inspected	132
Leaking Underground Tanks Removed	36
Underground Tanks Registered	2250
Inventory Record Inspections	349
Galvanic Monitoring Checks	131
Registered Tank Installers	110

The new storage tank regulations and **Environmental Protection Act** were tested in a provincial court case against Metropolitan Stores Limited (MTS Ltd.). The case involved an oil leak from and underground tank at Metropolitan's Summerside Mall location from which an estimated 15000 litres of furnace oil escaped. MTS Ltd. was found guilty of failing to notify, the first successful prosecution under the **Environmental Protection Act** and under the Petroleum Storage Tanks Regulation.

The Division sponsored a meeting of the National Task Force on Underground Storage Tanks in September in West Royalty. As a member of the National Task Force,

P.E.I. participated in the creation of an instruction manual for underground tank installers and a videotape on cathodic protection of steel tanks. Also, in September, a panel of corrosion experts was invited to P.E.I. to discuss corrosion protection and galvanic monitoring of steel meetings (national, regional and local) in relation to new underground tank technologies and tank management. A training course for underground tank installers was held in February in Charlottetown with over 100 people in attendance.

A total of 94 petroleum spills or leaks were investigated during the year, resulting in 11 wells being contaminated. A total of 9 spills involved underground tank or line leaks.

Brief descriptions of some of the major water quality investigations conducted by the Branch in 1987 follow:

Sherwood	Three wells contaminated as a result of road salting practices
Murray River	Five wells with high iron and manganese problems. All five wells are located in three different areas of the village.
Clyde River	Investigation carried out a local trailer park as a result of petroleum odour complaint revealed no contamination present. Bacteria problem cleared up after disinfection.
Southport	Extensive investigation carried out at site of the former Barn Restaurant. Two wells contaminated with furnace oil from leaking underground storage tank.

Kinlock	Several wells in local subdivision had coliform bacteria present. Problem is attributed to subdivision location and soil conditions.
Central Bedeque	Approximately 100 gallons furnace oil lost inside basement. Owner was uncooperative in cleaning up. Clean-up order was issued and actual clean-up was carried out 9 months after spill occurred.
Oyster Bed Bridge	Salt water intrusion problem in cottage subdivision, 3 wells affected.
Canoe Cove	Three wells contaminated with coliform bacteria. Ultra-violet light installed on one well. Second well reconstructed, third well cleared up following reconstruction.
Cardigan	One well severely contaminated as a result of discharging grey water into an abandoned well.
Cross Roads	Six wells in local subdivision had coliform bacteria present. Problem is attributed to subdivision location and soil conditions. Ultraviolet lights have been installed on 2 wells. Twenty of forty-one wells in subdivision have been sampled.

Norboro	300-400 litres of fuel oil seeped into ground from feed line from above ground fuel oil tank supervised clean-up completed. One hundred and fifty cubic yards of contaminated material removed and replaced.
Crapaud	Four wells became bacterially contaminated from surface water infiltration plus feedlot runoff.
Wilmot	A spill of approximately 50 gallons of gasoline in 1986 from a leaking above ground tank at one time contaminated eight wells. Supervised clean-up of the spill. Two wells did not clear and had to be replaced with new wells.
Carleton Siding	Three wells became bacterially contaminated from sewer and surface water infiltration. One new well drilled.
Miminegash	Two wells contaminated with petroleum from leaking underground gasoline tanks. New wells were drilled and clean-up completed.
O'Leary	Two wells petroleum contaminated from a large leak from underground gasoline tank. One new well drilled. One well petroleum contaminated from old fuel oil spill. New well drilled.
Cornwall	Five wells bacterially contaminated from surface water infiltration. One well re-drilled.

Marine Environment Section

The objective of the Marine Environment Section is to develop management options for the maintenance and restoration of the coastal marine and estuarine water resource of P.E.I. The Section is also responsible for the operation of the Community Services Laboratory, the enforcement of the "Sand Removal from a Protected Area Regulations" and the implementation of the **Planning Act** Regulations for the control and management of excavation pits.

A number of water quality investigative programs were carried out during the 1987 field season. These included:

a) West River/Clyde River

A detailed investigation of certain physical, chemical and biological characteristics of the West River/Clyde River system was undertaken as part of a federal/provincial cooperative program to evaluate the impact of the major modifications to the New Dominion Causeway on the estuary.

b) Vernon River

The biweekly monitoring of the water quality in the section of the Vernon River Estuary upstream of the causeway was carried out. The purpose of this project was to evaluate the suitability of that area for salmonid and moluscan aquaculture, as well as to define the extent of habitat deterioration as a result of the causeway impoundment.

c) Glenfinnan - O'Keefe's Lake

Biweekly monitoring of both lakes was carried out. This program has been ongoing for a number of years and its principal objective is to evaluate the long term effect of the addition of agriculture limestone to the lake water to restore the pH levels to the normal range. Tests indicated the need for applica-

tion of additional limestone to O'Keefe's Lake. Forty tonnes of calcite limestone were applied in November of this year.

The Federal/Provincial Cooperative Shellfish Growing Area Surveillance Program was active during the summer of 1987. This program is directed specifically toward the evaluation of the bacteriological quality of shellfish growing waters.

Growing areas are classified as opened, conditionally opened or closed according to strict water quality standards. Detailed surveys were carried out at Stanley River, Hope River and Southwest River, while reappraisal surveys were carried out at Cascumpec Bay, Bideford River, Lennox Channel, Conway Narrows, Mill River, Trout River, Foxley River, Dock River, Kildare River, Alberton Harbour, Miminegash River, Tignish River, Hillsborough River, Pownal Bay, Orwell Bay and Pinette River. A conditional opening program was operated at Mill River during the summer and fall season.

A comprehensive study of point and non-point sources of bacterial contamination to Southern Malpeque Bay shellfish growing areas was initiated in the fall of this year. this project is funded under the Canada/P.E.I. Water Management Agreement.

The Community Services Laboratory operated by the Marine Environment Section deals primarily with the chemical and microbiology analysis of water, wastewater and food products.

The following Table provides a summary of the number of analyses carried out for each of the user agencies during the year.

Type of Analysis	Env. Management Div.	Dept. of Health	Dept. of Agric.
Water (Microbiological)	7031		
Water (Chemical)	3319		
Food		202	
Dairy Products (Microbiological)		574	10
Dairy Products (Chemical)		120	
Env. Swabs		215	
Waste Water	2049		
Soil	96		
Chlorophyll/ Suspended Solids	1522		

The Provincial Department of Fisheries carried out a faecal coliform analysis on soft shell clams to determine the effectiveness of the depuration procedure. The facilities of the Community Services Lab were used to test 84 samples of clams and 20 water samples for faecal coliform counts. Laboratory staff attended a number of training courses to become familiar with up-to-date laboratory procedures.

The extraction of sand from Prince Edward Island for use in the commercial manufacture of concrete showed a slight increase as compared to the 1985 figures. During the year a total of 37 permits were issued at 17 different removal sites across the Island. The es-

timated quantity removed was 42,000 cubic metres as compared to 38,000 cubic metres for the previous year.

The Excavation Pit Permit Program received increased emphasis during the past year. There are approximately 165 permitted pits in existence in the three counties at the present time. There were five successful prosecutions under the Excavation Pit Regulations during the year.

Twenty dredge spoil disposal applications were received during the year. A number of on-site inspections of disposal sites were carried out with Public Works Canada.

Marine Section staff were active during the year in a number of programs related to shoreline erosion. A number of coastal erosion problems were investigated at the request of property owners. A number of additional erosion monitoring stations were established bringing the total number throughout the province to 43.

Three meetings of the Maritime Standing Committee on Shellfish and several meetings of the P.E.I. Working Group on Shellfish were attended during the year to deal with matters related to the surveillance and classification of shellfish growing areas.

Research & Information Section

This Section provided support to the Department as required in the form of policy planning and research for alternative environmental programs and strategies. The Section also assisted in the development and dissemination of information and education materials related to the Department's responsibilities in an effort to heighten an awareness of individuals towards their community and the environment.

During the year a review of the **Environmental Protection Act** was carried out and a draft Act was developed to address present day environment concerns. Consultations were held with environmental groups and other organizations to acquire their views and input.

Hazardous wastes continues to be a primary concern of government. Research and planning on alternate methods of disposal was initiated.

The Department participated in discussions with the Technical Working Group on the Fixed Link to determine environmental components that may be at risk should construction proceed on a fixed link to the Province.

A major effort was carried out during the first week of June to involve the public in becoming more conscious of the environment through promotion of the National Environment Week. Through funding assistance from the Federal Government a number of projects were initiated including the Conservation Strategy Display, a radio commercial competition, a radio play competition, emission control testing and numerous other activities.

The first annual environment awards were given during the week to recognize citizens for their special commitment to the environment. The recipients of the awards were Dan McAskill, in the Individual Category; the Malpeque Bay Community Council in the Industry, Business or Government Agency Category; and the Island Nature Trust in the category of Environmental Groups.

During the year, a slide presentation was prepared under contract by Glen MacEachern on the wildlife of P.E.I. This presentation is now incorporated within the Grade Six curriculum and is used to assist students in understanding wildlife in the Province. Fact sheets and brochures on dioxins and PCB's as well as other materials were distributed, on request, to the public.

In 1987, the Province signed an agreement with the Federal Government which commits the Province to limiting acid rain causing emissions to a maximum of 5,000 metric tonnes per year by 1994.

Conservation Strategy

In March, 1987, Executive Council received the report of a committee established in 1986 to prepare a Provincial Conservation Strategy. The Provincial Conservation was adopted in April, 1987, and its implementation commenced in June, 1987.

The Provincial Conservation Strategy is a plan of action for directing the management of natural resources to ensure that development is sustainable in the long term and that environmental degradation is minimized. It involves the establishment of processes to ensure coordination and cooperation within government, between different levels of government and between the governmental and non-governmental sectors. Although the Conservation Strategy is interdepartmental in nature, responsibility for its implementation was assigned to the Minister responsible for the environment.

Since its adoption, a variety of actions have been taken to further the goals of the strategy. To strengthen federal-provincial cooperation a Memorandum of Understanding on Conservation and Development between federal and provincial resource departments was signed in October. At the same time a Canada-Prince Edward Island Work-Sharing Arrangement on Water Resource Management was signed to develop solutions for significant water management problems. At the provincial level, a committee of Deputy Ministers of resource departments has been formed to ensure interdepartmental cooperation.

Supporting conservation projects of volunteer, non-profit organizations is an important part of the strategy. In 1987, ten projects employing more than fifty students were assisted. Projects included stream cleanups and enhancement, sport fishery enhancement, trail development and wildlife surveys.

Heightening public awareness of conservation is a key to the success of the strategy. During 1987 a ten-member Environmental Advisory Council, drawn from the general public was formed to advise the Minister on environmental problems. An annual series of Environmental Awards was instituted, to provide recognition to persons, communities, volunteer groups and industries that have made significant contributions to the preservation and enhancement of the environment.

Fish and Wildlife Division

Programs and activities of the Fish and Wildlife Division are directed at providing recreational and economic opportunity through the conservation and protection of the Province's wildlife and sport fish resources.

Interest and enjoyment in these renewable resources is shared by a majority of the population. In addition to the obvious importance of fish and wildlife to anglers, hunters and trappers, a 1981 Canada-wide survey determined that 77% of Islanders surveyed enjoyed wildlife in non-consumptive wildlife-related activities such as watching, feeding, studying and photographing wildlife. The survey further determined that 78% felt it was important to maintain abundant wildlife populations.

Approximately 20,000 angling, hunting and trapping licenses are purchased annually. This figure does not represent the true participation of anglers and hunters due to a license exemption afforded resident commercial fishermen and their wives, resident farmers and farm labourers and their wives, and individuals under sixteen years of age.

This report summarizes projects and activities in the major program areas of the Section.

Fisheries

Fish and Wildlife is responsible for the maintenance and management of over ninety (90) dam sites in the Province. Minor repairs were made to several structures in 1987 including Parson's Pond, North Granville; Grigg's Pond, Ellerslie; and Valleyfield Pond. Major repairs were undertaken at Andrew's Pond; East Royalty, while new control structures were installed at Doyle's Pond, Mt. Stewart; and Warren's Pond, Cherry Hill, all in cooperation with Ducks Unlimited Canada.

A new control structure with pool and weir fishway and draw-down facility was constructed at Tyne Valley in cooperation with the Community of Tyne Valley and Ducks Unlimited. This resulted in the creation of a 10-acre pond with a high potential for wildlife and fish production.

In an effort to assess the use of fishways by anadromous fish species, and to provide data on the timing and size of sea-run populations, fish traps are installed at several fishways on an annual basis. During 1987, upstream movements of fish were monitored at Bell's Pond, New Glasgow; Carragher's Pond, Emyvale; Millar's Pond, Kelvin; Officer's Pond, Suffolk; and Knox's Pond, Montague.

The Division cooperated with the P.E.I. Fly Fishermen's Federation in a continuing habitat improvement project on the West River offering both professional advice, financial support and some field assistance.

High quality trout fisheries at O'Keefe's and Glenfinnan Lakes were supported again in 1987 with the stocking of fall fingerling trout from the Cardigan Fish Culture Station. In addition, water quality at both lakes was monitored on a continuing basis in cooperation with the Marine Division. The pH level of O'Keefe's Lake experienced a sharp decline in 1987 due to the lake's natural inability to buffer acidic precipitation. In response, forty (40) tons of calcitic limestone were applied to the lake in November. This project was carried out with the assistance of several cooperating agencies including Transport Canada, Coast Guard Division; P.E.I. Forestry; and the Marine Division of the Department.

In an effort to improve angling opportunities, approximately 17,000 yearling brook trout were stocked at eighteen (18) pond sites in various areas of the Island in May, 1987. In addition, 15,000 fall fingerlings were stocked at sixteen (16) different pond sites. Ten thousand of these fingerlings were the progeny of wild trapped brood stock from the Hunter and West Rivers. The brood stock was obtained from the wild in cooperation with Cardigan Fish Culture Station personnel. Brood stock collections continued in 1987 with additional stock being obtained from the Hunter and Montague Rivers.

A major three-year inventory of streams of P.E.I. was initiated in the fall of 1987 in cooperation with Environment Canada - Inland Waters Division. This

project will result in an up-to-date compilation and mapping of many of the parameters effecting stream quality in most major watersheds. The Hillsboro Watershed was chosen as the number one priority. The Hillsboro includes the East, North and West Rivers and all their tributaries. The final results from this project are designed in part to allow government to make better informed decisions on projects which may affect our surface water resources.

Fish and Wildlife continued to support Fisheries and Oceans Canada's salmon enhancement program in the Province by providing manpower to assist in the rearing of fish at the Cardigan Fish Culture Station and in the monitoring of returning adult salmon to the Morell River. Fisheries and Oceans Canada continued its programs of semi-natural rearing at Profitt's Pond, Bloomfield, and of smolt releases in the Morell and Mill Rivers. Results of the 1986 smolt release in the Morell River proved most encouraging with over 1,800 grilse returning from early July through November, 1987. In addition, sixty-six (66) salmon passed through the fish trap at Leard's Pond.

Upland Game

Habitat management continues on various Division properties across the Island in cooperation with P.E.I. Forestry. In addition, the services of a forest technician have been obtained through Conservation Strategy funding. This individual is preparing management plans for several large blocks of Division-managed land, primarily in the eastern region of P.E.I. These plans will serve as a useful tool in the future management of our woodlots. Management plans are concentrating on integrating wildlife habitat objectives with forest management. Accessibility for recreational use is also of prime concern.

The Cooperative Pheasant Rearing and Release Program with the P.E.I. 4-H Council was continued in 1987. Fourteen (14) groups of 2 - 3 members each were given approximately twenty-five (25) pheasants to rear and release. The following 4-H Clubs were involved in 1987 - Millview-Vernon River, Evangeline, Cherrycliffe, Cavendish, Little Pond, O'Leary, Albany, Dunstaffnage-

Marshfield, Brooklyn-Heatherdale and Winsloe-Brackley.

As in past years, the Earnscliffe Shooting Preserve was provided with technical and financial assistance for its pheasant rearing and release operations. The preserve offers residents and non-residents the opportunity to pursue pheasants under natural field conditions.

The Division cooperated with the Souris Branch of the P.E.I. Wildlife Federation in obtaining thirty (30) wild trapped, sharp-tailed grouse for release into the wild in Prince Edward Island. Birds were released in the Clearspring area. In the spring of 1988, the release area will be intensively surveyed for bird survival. This bird, if successfully established, will be a valuable addition to the avi-fauna of P.E.I.

The annual game harvest results were tabulated for the 1986-87 season. This survey utilized a new sampling base (Firearm Safety Certificate holders), and as a result, the figures are not comparable to previous year's data. Game harvest surveys provide information on long-term population trends, essential to the management of some species. The following table presents game harvest estimates for the past ten (10) years.

Game Harvest Estimates

YEAR	Licenses Sold Resident	Non-Resident	Ruffed Grouse	Hungarian (Gray) Partridge	Snowshoe Hare	Snipe	Woodcock	Black Ducks	Other Ducks	Canada Geese
1977	6,697	414	9,290	3,450	29,940	360	380	15,690	12,360	16,710
1978	6,841	439	7,670	2,330	51,510	1,365	286	20,490	13,680	11,756
1979	6,761	364	6,625	1,800	33,550	1,360	30	13,390	10,980	12,670
1980	5,864	413	9,740	3,180	22,320	780	150	22,690	14,110	18,310
1981	5,683	486	8,330	2,130	18,860	1,000	270	19,660	13,260	15,270
1982	5,368	430	11,790	2,260	17,440	600	32	19,290	13,120	15,290
1983	5,800	493	12,100	2,640	22,510	820	140	20,180	12,760	14,070
1984	4,846	555	12,080	2,100	18,020	150	130	16,840	10,710	14,290
1985	4,477	575	15,000	2,960	23,800	460	335	25,080	16,500	19,280
1986	4,354	696	10,550	2,120	18,610	415	175	15,570	9,015	18,350

Waterfowl

The Waterfowl Habitat Management Program consists of the development and enhancement of wetlands for both wildlife habitat and public use. For the past 17 years, Ducks Unlimited Canada in cooperation with the Fish and Wildlife Division and private landowners, have developed and improved 96 marshes on P.E.I. totalling 5,773 acres and including 165.3 miles of shoreline. During the year, 6 projects totalling 68 acres and 5.6 miles of shoreline were developed.

The Division continued to sow wild rice seed on newly flooded impoundments and assessment of previous planting continued. The program to provide wood duck nest box plans and information to groups and individuals continued in 1987. The Division also erected new boxes and replaced old ones in a number of wetlands during the year.

The waterfowl breeding pair and brood survey was conducted again in 1987. The survey provides an annual index of waterfowl production for wetlands across the Province and aids in regulatory management decisions. The survey is conducted cooperatively with the Canadian Wildlife Service, with the Service providing supplementary field crews and data analysis services.

The Division cooperates with the Canadian Wildlife Service and the Atlantic Waterfowl Council in banding waterfowl to determine migration routes, harvest patterns and mortality rates for ducks and geese. Division staff were involved in banding waterfowl that overwinter in the Province. The results of this winter banding are summarized below.

SUMMARY OF P.E.I. WINTER BANDING

(January and February, 1987)

Species	Male	Female	Unknown	Total
Black Duck	361	91	-	452
Mallard	1	1	-	2
Black X Mallard Hybrid	4	-	-	1
Pintail	1	-		
TOTAL	367	92	-	459

Efforts were also directed at banding locally produced ducks (black ducks, blue-winged teal, green-winged teal, pintail and ring-necked ducks). A total of 263 local ducks were banded during July and August with the assistance of the Canadian Wildlife Service.

A Canada Goose Banding Program was initiated during the fall at Orwell Cove Wildlife Management Area in cooperation with the Canadian Wildlife Service. A total of forty-five (45) geese were banded and neck-collared to determine migration patterns and local movement.

The banding program also includes activities related to migratory birds other than waterfowl. Forty-six (46) young ospreys were banded in a continuing effort to gain information on migration patterns and mortality factors for young fledged from Island nest sites. This brings the total number banded over the years to two hundred and sixty-six (266). In addition, five (5) bald eagles and one hundred (100) double-crested cormorants were banded in 1987.

Open water around the bays, estuaries and rivers of P.E.I. provides winter habitat for waterfowl. Post hunting season surveys are conducted in January by

states and provinces in the Atlantic flyway to determine the status of waterfowl populations. In mid-January, 1987, 2,290 black ducks, 1,273 goldeyes and 2,711 mergansers, as well as a number of old-squaw, mallards and Canada geese were observed during the mid-winter waterfowl inventory flight.

The Division in cooperation with the Canadian Wildlife Service is developing a provincial waterfowl management plan to conserve and enhance waterfowl populations and their habitat for the benefit of future generations. The third draft of the P.E.I. plan was completed in December.

A cooperative wetlands program funded by Wildlife Habitat Canada, Ducks Unlimited, Canadian Wildlife Service and the Province began in September, 1987. The major thrust of the program is to identify important waterfowl production, migration and wintering areas, and to implement measures to improve and conserve these areas. A biologist and a technician were hired to carry out the project.

As recommended in the P.E.I. Conservation Strategy, Malpeque Bay is being proposed as a "Wetland of International Importance" under the terms of the Ramsar Convention. Contact with landowners around the bay was initiated to explain the proposed designation. Initial response to the idea has been positive and public meetings are planned for 1988.

The breeding status of the woodcock, an important game bird species in eastern North America, is conducted annually throughout its range. Results of Prince Edward Island's survey indicate a decrease in the breeding index of 36% in 1986. This conforms to the general pattern in the Maritime Region.

Surveys of all cormorant colonies were conducted in 1987 in a continuing effort to monitor changes in the status of both species to determine future management needs.

Furbearers

Division staff continued to monitor, develop and improve the wild fur industry in the Province through trapper education, research and management. Total value of wild fur exported from the Province for the 1986-1987 season increased due mainly to the substantial increase in fur prices. The following tables summarize the annual harvest since 1971-1972, and the average price and value of fur harvested by species for 1986-1987, with deviations from the 10-year average noted.

Annual Wild Fur Harvest and Value in P.E.I. 1977 - 1987

SPECIES VALUE	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
Beaver	342	254	343	390	327	700	289	378	476	485	538
(value)	($9,706)	($5,380)	($10,080)	($19,399)	($10,284)	($13,454)	($5,699)	($7,311)	($14,580)	($21,272)	($28,611)
Muskrat	3,836	7,986	7,257	5,788	7,661	7,563	8,527	9,886	8,964	7,269	6,083
(value)	($19,666)	($43,134)	($40,131)	($33,192)	($70,864)	($47,496)	($35,902)	($57,339)	($31,274)	($31,547)	($28,992)
Red Fox	1,027	660	734	944	791	965	995	994	1,140	892	939
(value)	($54,999)	($41,334)	($90,051)	($90,964)	($78,127)	($77,538)	($68,794)	($79,013)	($69,962)	($46,268)	($42,753)
Silver Fox	10	46	32	38	37	36	49	46	27	30	34
(value)	($641)	($3,547)	($5,832)	($6,486)	($7,194)	($6,052)	($6,891)	($6,785)	($4,730)	($3,351)	($4,766)
Cross Fox	34	88	96	119	91	119	119	85	85	46	61
(value)	($2,487)	($10,944)	($13,151)	($17,871)	($10,474)	($14,801)	($15,278)	($10,414)	($11,367)	($3,391)	($5,859)
Raccoon	1,313	1,435	1,409	2,001	1,730	2,034	1,336	1,119	1,405	1,284	1,473
(value)	($27,709)	($33,864)	($40,977)	($56,529)	($43,527)	($46,754)	($30,788)	($16,473)	($27,187)	($25,192)	($31,611)
Mink	537	815	911	809	944	909	635	718	1,147	866	845
(value)	($8,592)	($11,456)	($22,611)	($17,042)	22,788	20,587	($13,297)	($17,620)	($31,378)	($21,355)	($33,242)
Red Squirrel	149	82	63	94	62	106	61	210	84	57	74
(value)	($51)	($171)	($64)	($83)	($54)	($60)	($47)	($74)	($34)	($12)	($21)
Weasel	30	38	96	12	29	76	30	33	45	24	36
(value)	($15)	($34)	($115)	($10)	($12)	($71)	($11)	($34)	($79)	($27)	($51)
Skunk	11	1	3	24	7	17	-	-	-	-	-
(value)	($79)	($3)	($14)	($53)	($19)	($44)	(-)	(-)	(-)	(-)	(-)
TOTAL VALUE *	$135,935	$149,402	$234,026	$243,429	$243,343	$224,777	$164,187	$195,453	$210,583	$153,212	$202,227

* Includes castoreum value.

1986-87 P.E.I. Fur Harvest & Comparisons with Previous Year & 10-Year Average

	1986/87			1985/86			10-year Average 76/77 thru 85/86			Harvest 86-87 from 85-86	Harvest 86-87 from 10 yr. Avg
	Number	Value	Average	Number	Value	Average	Number	Value	Average		
Beaver	538	28,611	53.18	485	21,272	43.86	388	11,717	30.17	+11%	+39%
Muskrat	6,083	28,992	6.41	7,269	31,547	4.34	7,473	44,994	6.02	-16	-19
Red Fox	939	42,753	46.03	892	46,268	51.87	913	69,905	76.55	+ 5	+ 3
Silver Fox	34	4,766	140.19	30	3,351	111.71	34	4,951	146.05	+13	- 0
Cross Fox	61	5,859	96.05	46	3,391	73.72	87	11,218	128.87	+33	-30
Raccoon	1,473	31,611	21.46	1,284	25,192	19.62	1,505	34,960	23.22	+15	- 2
Mink	865	33,242	38.43	866	21,355	24.66	829	18,464	22.28	0	+ 4
Red Squirrel	74	21	.29	57	12	.21	97	64	.66	+30	-24
Weasel	36	51	1.42	24	27	1.12	35	39	1.09	+50	+ 1
Skunk	-	-	-	-	-	-	-	-	-	-	-
Coyote	-	-	-	1	30	30	-	-	-		
TOTAL		$206,227			$153,212			$196,332		+35	+ 5

A trapper education course became mandatory for all first-time trappers in 1987. A self-teaching manual was developed for the course by the Fish and Wildlife Division and the P.E.I. Trappers Association. Nine (9) instructors drawn from the P.E.I. Trappers Association were certified to teach the course in which twenty (20) new trappers participated in 1987.

Although valuable for fur and, more importantly, for creating valuable wetland habitat, beaver populations must be properly managed to prevent over population and subsequent damage to roads, woodlots and agricultural land. Information on sex, age and reproduction is collected annually for beavers harvested, and used in conjunction with population indices and harvest figures, to determine annual trapping seasons. With expected high prices resulting in increased trapping pressure, the beaver season for 1987-1988 was delayed by one month in eastern P.E.I.

During the year, Fish and Wildlife personnel continued to cooperate with Department of Transporation and Public Works staff in the control of beavers at highway-stream intersects throughout the Province. 1987 was a busy year in this regard.

A program to help Islanders cope with the Province's latest addition to the natural fauna, the coyote, was initiated in 1986. The Fish and Wildlife Division is working with the Department of Agriculture to educate sheep farmers in techniques to mitigate coyote predation.

A study to determine the endoparasites of raccoons on P.E.I. was initiated in 1987 in co-operation with the Atlantic Veterinary College, Parisitology Department. Roundworms present in raccoons in some areas of the Northeast can have a pathogenic effect on humans and the object of the study is to determine if these worms are present in raccoons inhabiting the Island.

Cooperative Watershed Management Project

In August, 1986, the Division signed an agreement with Wildlife Habitat Canada to implement a cooperative land use management project for the Montague Watershed.

Designed to benefit wildlife, agriculture, forestry and the salmonid fishery, the five-year project was aimed at improving wildlife habitat and demonstrating the benefits of cooperative land use management.

During year one, project staff assessed the impact on the wildlife resource resulting from both natural and man-induced activities. In addition, management efforts focusing on habitat improvement were implemented.

Tangible improvement activities completed during 1987 are outlined in the following table.

IMPROVEMENT ACTIVITY	AMOUNT COMPLETED	SUPPORT GROUPS
Stream Improvement		
Fenced Livestock Enclosures	2 kilometers	P.E.I. Transportation & Public Works (3 people)
Obstruction Removal	6 kilometers	P.E.I. Dept. of Industry (11 students) Employment Canada (3 students)
Integrated Forest Management		
Harvesting	110 acres	P.E.I. Dept. of Energy & Forestry
Site Preparation	140 acres	Employment Canada (5 people)
Planting	56,000 seedlings	Young Offenders Program (3 people)
Thinning	53 acres	P.E.I. Correctional Centre (4 people)
Hedgerow Establishments	6 kilometers	
Riparian Zone Upgrading	25 acres	
Highway Erosion Abatement		
Sediment Trap Construction	3	P.E.I. Dept. of Transportation & Public Works
Drainage Diversions	1	
Hydroseeding	0.5 acres	
Agricultural Erosion Abatement		
Diversion Terracing	1	Agriculture Canada P.E.I. Dept. of Agriculture

The financial, technical and administrative support from a variety of government agencies, community involvement groups and educational institutions was instrumental in the delivery of the project's goals and objectives. These include, among others:

Employment and Immigration Canada
P.E.I. Department of Agriculture
Agriculture Canada
Canadian Forestry Service
P.E.I. Energy and Forestry
Environment Canada
Ducks Unlimited

Fisheries and Oceans Canada
Island Nature Trust
University of Prince Edward Island, Biology Department
P.E.I. Transportation and Public Works
Canadian Wildlife Service
P.E.I. Wildlife Federation, Southern Kings Branch
Holland College
Housing Corporation

Firearm Safety

In 1987 there were 28 firearm safety courses conducted on Prince Edward Island. These courses were conducted in community schools, regional high schools (as part of class curriculum) and weekend courses offered prior to the opening of the hunting season. Of the 585 students who enrolled, 545 successfully completed the course, 26 failed, while 14 did not write the exam.

As well, one bowhunter course was conducted with 5 individuals participating.

A workshop focusing on survival was held at Camp Riverdale with volunteer instructors in attendance.

There were no fatal hunting accidents reported in Prince Edward Island in 1987.

Enforcement

Enforcement resulted in 71 violations being registered by enforcement staff under the various acts regulating conservation and protection of fish and wildlife in the Province. A summary of violations for the past 8 years is presented below.

Violation Summary for the Period 1980-1987 Inclusive

VIOLATION	1980	1981	1982	1983	1984	1985	1986	1987
Fishing without a license	6	27	20	11	5	6	12	21
Fishing while suspended	-	-	-	-	-	2	-	1
Fishing out of season	2	16	9	10	2	9	4	1
Fishing with more than one line	4	5	5	4	4	4	2	3
Spearing Salmon	-	-	-	-	-	-	-	-
Jigging for sports fish	-	-	-	-	1	-	1	4
Net with no license	-	-	-	-	1	-	-	-
Obstructing passage of fish	-	2	-	-	-	-	-	-
Hunting without a provincial license	6	3	7	4	6	-	-	2
No firearm safety certificate	-	-	-	-	-	2	2	5
Transferring of license	-	-	-	-	-	1	-	-
Hunting on Sunday	-	1	1	-	-	1	1	-
Hunting in Wildlife Management Area	-	3	-	-	-	-	4	-
Loaded firearm in vehicle	1	2	3	3	2	2	6	1
Illegal hunting with a .22 rifle	-	-	-	-	-	-	-	-
Discharged firearm within 200 yards of dwelling	-	-	1	-	-	-	-	-
Molest wildlife	-	-	2	-	-	-	-	-
Hunting without a federal permit	8	5	3	3	-	-	1	5
Hunting while suspended	-	1	-	-	-	-	1	-
Exceeding daily bag limit	-	-	2	4	1	1	4	3
Baiting of waterfowl	-	-	-	-	3	1	7	4
Hunting with more than one shotgun	-	-	-	-	-	-	1	-
Hunting with unplugged shotgun	2	5	2	3	3	3	3	2
Illegal possession of migratory birds	-	-	-	-	-	1	-	-
Illegal transport of migratory birds	-	-	-	-	1	-	-	-
Hunting in federal sanctuary	-	-	-	-	-	-	-	-
Trapping without a license	1	-	1	2	-	-	-	1
No fur dealers license	-	-	-	-	-	-	2	-
Trapping out of season	5	1	3	5	4	2	2	1
No tags or snares and traps	1	1	1	2	3	1	1	3
Trapping within 10ft. of a beaver house	2	1	-	-	-	-	-	2
Trapping within a provincial park	-	-	-	-	-	-	1	-
Not checking traps every 48 hours	-	-	1	-	-	-	-	-
Failing to exhibit beaver carcass	-	-	-	-	-	-	1	-
No permits for green hides	1	-	-	1	3	2	1	-
Shipping fur without export permit	-	-	-	-	-	1	1	-
Trespassing	-	-	-	-	-	-	1	-
Giving false information	3	6	2	2	2	-	4	5
Obstructing Conservation Officer	-	-	2	-	1	1	-	1
Assault Peace Officer	-	-	-	-	-	4	-	-
Filling sprayer too close to a stream	-	-	1	-	-	2	1	-
Load falling from truck	-	-	-	-	-	-	-	-
Littering highway	-	-	1	1	-	-	2	-
Illegal excavation pit	-	-	-	-	1	2	2	2
No stream alteration permit	-	-	-	-	-	-	-	1
Hunting out of season	1	-	3	1	4	-	3	3
TOTALS	43	79	70	56	47	48	71	71

Eagle and Osprey Management

The Division has continued to monitor both ospreys and eagles throughout the Province. We were able to band 46 nestling ospreys and 5 nestling eagles during the 1987 season.

A program of public education for all raptorial birds continues.